

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2015

### Reclamation District No. 0001 Union Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Old River	Right	1.14	05/14/2015 05/14/2015	Maksim Khashchuk

LM Start		Rating **	A	Issue No.	6
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Flood Preparedness & Training			°	°
				°	°
DWR ID	DWR_RD0001_01_s _ 2013_6				
Action/Comments					
Inspector Comments: The LMA has current flood fighting training and an emergency plan.					

No Photos

LM Start		Rating **	A	Issue No.	8
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment			°	°
				°	°
DWR ID	DWR_RD0001_01_s _ 2013_8				
Action/Comments					
Inspector Comments: The LMA has emergency supplies on-site.					

No Photos

LM Start		Rating **	A	Issue No.	9
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Operations & Maintenance Manuals			°	°
				°	°
DWR ID	DWR_RD0001_01_s _ 2013_9				
Action/Comments					
Inspector Comments: The LMA has a copy of the O&M Manual available at the office.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Unit No. 01 Old River	Right	1.14	05/14/2015 05/14/2015	Maksim Khashchuk

LM Start	0.00	Rating **	M	Issue No.	2
LM End	0.00	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.822306 °	37.822306 °
				-121.375304 °	-121.375304 °
DWR ID	DWR_RD0001_01_s_2015_2				
Action/Comments					
Inspector Comments: 07/02/2014: No significant change observed. 08/20/2013: No significant change at this site. 08/07/2012: The erosion is at the confluence of Old River and one of its tributary. [2014 Site ID:RD0001U01RM31.4]					

Photo 1 of 1 : SP\_2015\_RD0001\_23\_2\_20150317\_00002.jpg



Close view of the erosion.

LM Start	0.02	Rating **	C	Issue No.	18
LM End	0.02	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.822511 °	37.822511 °
				-121.375857 °	-121.375857 °
DWR ID	DWR_RD0001_01_s_2012_18				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comments: Several burrows present					

No Photos

LM Start	0.17	Rating **	N	Issue No.	12
LM End	0.17	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.821376 °	37.821376 °
				-121.378044 °	-121.378044 °
DWR ID	DWR_RD0001_01_s_2014_12				
Action/Comments					
Tree stumps.					
Inspector Comments: Remove stump when it becomes rotted to prevent possible seepage path along the roots.					

Photo 1 of 1 : SP\_2015\_RD0001\_23\_12\_20150518\_00017.jpg



View of the tree stump on the waterside levee slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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Unit No. 01 Old River	Right	1.14	05/14/2015 05/14/2015	Maksim Khashchuk

LM Start	0.20	Rating **	C	Issue No.	5
LM End	0.20	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.820989 °	37.820989 °
				-121.378174 °	-121.378174 °
DWR ID	DWR_RD0001_01_s _ 2013_5				
Action/Comments					
Schedule repair of erosion site prior to the next inspection.					

No Photos

LM Start	0.24	Rating **	A/W	Issue No.	11
LM End	0.24	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.820362 °	37.820362 °
				-121.378359 °	-121.378359 °
DWR ID	DWR_RD0001_01_s _ 2014_11				
Action/Comments					
Material Inspector Comments: Stockpiled riprap on levee crown. Keep the stockpile so that a vehicle could maneuver around the pile to facilitate visibility and access of the levee.					

Photo 1 of 1 : SP\_2015\_RD0001\_23\_11\_20150317\_00008.jpg



View of the riprap stockpiled on the levee crown.

LM Start	0.50	Rating **	C	Issue No.	4
LM End	0.50	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.818014 °	37.818014 °
				-121.379829 °	-121.379829 °
DWR ID	DWR_RD0001_01_f _ 2014_4				
Action/Comments					
Repair slope instability.					

No Photos

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Old River	Right	1.14	05/14/2015 05/14/2015	Maksim Khashchuk

LM Start	0.53	Rating **	C	Issue No.	14
LM End	0.53	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.817651 °	37.817651 °
				-121.379898 °	-121.379898 °
DWR ID	DWR_RD0001_01_s _ 2014_14				
Action/Comments					
Material					
Inspector Comments: Riprap stockpiled on levee crown.					

No Photos

LM Start	0.65	Rating **	C	Issue No.	15
LM End	0.65	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.817249 °	37.817249 °
				-121.382026 °	-121.382026 °
DWR ID	DWR_RD0001_01_s _ 2012_15				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

LM Start	0.73	Rating **	A	Issue No.	3
LM End	0.82	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.816280 °	37.814973 °
				-121.382706 °	-121.382441 °
DWR ID	DWR_RD0001_01_s _ 2015_3				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : SP\_2015\_RD0001\_23\_3\_20150518\_00016.jpg



View of the acceptable vegetation on the landside levee slope.

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Unit No. 01 Old River	Right	1.14	05/14/2015 05/14/2015	Maksim Khashchuk

LM Start	0.93	Rating **	C	Issue No.	25
LM End	1.13	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.814013 °	37.811775 °
				-121.383700 °	-121.384764 °
DWR ID	DWR_RD0001_01_f_2013_25				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	1.10	Rating **	C	Issue No.	26
LM End	1.10	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.811896 °	37.811896 °
				-121.384370 °	-121.384370 °
DWR ID	DWR_RD0001_01_s_2014_26				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

LM Start	1.13	Rating **	C	Issue No.	23
LM End	1.13	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.811775 °	37.811775 °
				-121.384764 °	-121.384764 °
DWR ID	DWR_RD0001_01_f_2013_23				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

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